Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A biometric verification device for providing secure access to a unit connected to the device, the device comprising:

a. a biometric sensor capable of sensing a biometric trait of a user that is unique to said user and providing a first signal containing information representing said biometric trait; and

b. a processing unit connected to said biometric sensor so as to receive said first signal, said processing unit being adapted to compare said information with biometric data stored in said processing unit representing a biometric trait of an enrolled person, and provide a verification signal indicating whether or not said information corresponds sufficiently with said biometric data to verify said user is said enrolled person, wherein said processing unit completes said comparison and generates said verification signal within 20 seconds of when said biometric sensor senses said biometric trait, said biometric sensor and processing unit, together being configured to use ~~using~~ no more than 1W of peak power.

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Claim 2 (original): A device according to claim 1, wherein said biometric trait is a fingerprint.

Claim 3 (original): A device according to claim 1, wherein said biometric trait is an iris pattern from an eye.

Claim 4 (original): A device according to claim 1, wherein said processing unit completes said comparison and generates said verification signal using no more than 400 mW of peak power.

Claim 5 (original): A device according to claim 1, wherein said processing unit completes said comparison and generates said verification signal within 7 seconds of when said biometric sensor senses said biometric trait.

Claim 6 (original): A device according to claim 1, wherein said processing unit stores said biometric data representing a biometric trait of an enrolled person using no more than 1K bytes of data.

Claim 7 (original): A device according to claim 6, wherein said processing unit stores said biometric data representing a biometric trait of an enrolled person using no more than 256 bytes of data.

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Claim 8 (original): A device according to claim 1, further including one or more batteries that comprise the sole source of power for the device.

Claim 9 (original): A device according to claim 1, wherein said processing unit includes non-volatile memory for storing said biometric data representing said biometric trait.

Claim 10 (original): A device according to claim 1, further including a wireless interface for connecting the device with the unit.

Claim 11 (original): A device according to claim 1, further including a wires interface for connecting the device with the unit.

Claim 12 (currently amended): A device according to claim 1, wherein said processing unit performs said comparison with a ~~witha~~ false acceptance rate of less than 0.5% and a false rejection rate of less than about 5%.

Claim 13 (original): A device according to claim 1, further including an external unit connected to said processing unit, said external unit being operable independently of said sensor and processing unit upon receipt of said verification signal indicating said user is said enrolled person.

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Claim 14 (original): A device according to claim 13, wherein said external unit is remote from said sensor and processing unit.

Claim 15 (original): A device according to claim 13, wherein said external unit is physically proximate said sensor and processing unit.

Claims 16-50 (canceled).

Claim 51 (original): A fingerprint capture device comprising:

a. a fingerprint sensor for generating an output signal including an image of ridges and valleys of a fingerprint positioned on said sensor;

b. a processing unit for storing said image, said processing unit connected to said fingerprint sensor to receive said output signal;

c. one or more batteries that alone power the device; and

d. wherein said sensor and said processing unit together consume no more than 1W peak power.

Claim ~~52~~ 16 (original): A device according to claim ~~51~~ 1, further wherein said processing unit modifies said image to account for variations in said output signal from an absolute value arising from at least one of (a) manufacturing variations and (b) expansion and contraction arising from changes in pressure and environmental factors.